Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An audio device for providing musical signals to a user, comprising:
   a) at least one transducer, such that said transducer enables music to be heard by said user via transcutaneous bone conduction;
   b) a means for said at least one transducer to be in vibratory contact with the head of said user; and
   c) a housing means for ~~waterproofing~~ housing said at least one transducer.

2. (Previously Presented) The audio device according to claim 1, wherein said at least one transducer includes a plurality of transducers.

3. (Currently Amended) The audio device according to claim [[1]] 2, wherein said plurality of transducers is arranged in an array.

4. (Previously Presented) The audio device according to claim 2, wherein the musical frequency range is split into three frequency channels.

5. (Previously Presented) The audio device according to claim 4, wherein said three frequency channels consist of:
   a) a low frequency range,
   b) a mid frequency range, and
   c) high frequency range.

6. (Previously Presented) The audio device according to claim 3, wherein at least one of said transducers in said array is an ultrasonic transducer.

7. (Previously Presented) The audio device according to claim 3, wherein at least one of said transducers in said array is a vibrotactile transducer.

8. (Previously Presented) The audio device according to claim 1, further including at least one amplifier.

9. (Previously Presented) The audio device according to claim 1, wherein at least one of said transducers is positionable at the front of the head of said user.

10. (Previously Presented) The audio device according to claim 1, wherein at least one of said transducers in said array is positionable at the back of the head of said user.

11. (Previously Presented) The audio device according to claim 1, wherein said transducer is associated with a band that encircles the head of a user.

12. (Previously Presented) The audio device according to claim 1, wherein said transducer is associated with a hat that is worn on the head of the said user.

13. (Previously Presented) The audio device according to claim 1, wherein said transducer is associated with a helmet that is worn on the head of said user.

14. (Previously Presented) The audio device according to claim 1, wherein said transducer is associated with a band of recreational eye wear selected from the group consisting of swim goggles, ski goggles, snorkel mask, and sun glasses.

15. (Previously Presented) The audio according to claim 5, wherein said low frequency range volume is adjustable.

16. (Previously Presented) The audio device according to claim 5, wherein said mid frequency range volume is adjustable.

17. (Previously Presented) The audio device according to claim 5, wherein said high frequency range volume is adjustable.

18. (Previously Presented) The audio device according to claim 1, wherein said mid frequency range has a fixed maximum signal level of 90 dBa for 8 hours.

19. (Previously Presented) The audio device of claim 1, wherein said waterproof recreational audio device transmits a musical signal of a high fidelity frequency response across a broad frequency range where there is:

a) a low frequency response is in the range of 40-1000 Hz;
b) a mid frequency response is in the range of 250-6000 Hz; and
c) a high frequency response is in the range of 5000-20,000 Hz.

20. (Previously Presented) The audio device of claim 19, wherein said at least one transducer includes an ultrasonic transducer

21. (Previously Presented) The audio device of claim 19, wherein said at least one transducer includes a vibrotactile transducer.

22. (Previously Presented) The audio device of claim 19, wherein said waterproof recreational audio device includes an adjusting capability for the mid range frequency response, such that:

a) said mid frequency range volume can be adjusted to allow environmental noise to be heard by the user;
b) said mid frequency range has a fixed minimum level to minimize nuisance noise for individuals near said waterproof recreational device; and
c) said mid range has a fixed maximum level to restrict harmful dB noise levels for user.

23. (Previously Presented) The audio device of claim 19, wherein a volume of said low frequency range is adjustable.

24. (Previously Presented) The audio device of claim 19, wherein a volume of said mid frequency range is adjustable.

25. (Previously Presented) The audio device of claim 19, wherein a volume of said high frequency is adjustable.

26. (Previously Presented) The audio device of claim 19, wherein said mid frequency range has a fixed maximum signal level of 90 dBa for 8 hours.

27. (Previously Presented) The audio device of claim 1 further comprising a sound source in communication with said at least one transducer, said sound source generating a music signal which is received by said at least one transducer.

28. (Previously Presented) The audio device of claim 27 wherein said communication between said sound source and said at least one transducer is via a wired connection.

29. (Previously Presented) The audio device of claim 27 wherein said communication between said sound source and said at least one transducer is via a wireless connection.

30. (Previously Presented) The audio video of claim 27 wherein said sound source is affixed to said means for said at least one transducer to be in contact with the head of said user.

31. (Previously Presented) The audio device of claim 27 wherein said sound source is selected from the group consisting of MP3 player, tape player, radio, audio transceiver, and disc player.

32. (Previously Presented) A recreational audio device, comprising :

a) at least one transducer which enables music to be heard by a user via transcutaneous bone conduction; and

b) a support which supports said at least one transducer in contact with a head of a user at a plurality of locations around the head of said user.

33. (Original) The recreational audio device according to claim 32 wherein said at least one transducer includes a plurality of transducers.

34. (Original) The recreational audio device according to claim 32 wherein said at least one transducer can be removed from said support and re-positioned at least one different location on said support.

35. (Original) The recreational audio device according to claim 32 wherein said at least one transducer can slide to different locations on said support.

36. (Original) The recreational audio device according to claim 32 wherein said support can be oriented at multiple orientations relative to a head of a user.

37. (Original) The recreational audio device of claim 36 wherein said support is a head band.

38. (Original) The recreational audio device of claim 32 further comprising waterproofing for said at least one transducer.

39. (Original) The recreational audio device of claim 32 further comprising a sound source for conveying musical signals to said at least one transducer.

40. (Previously Presented) A method for a user to listen to music via transcutaneous bone conduction, comprising the steps of:

a) supplying musical signals from a source to at least one transducer capable of transcutaneous bone conduction;

b) contacting a user's head with said at least one transducer; and

c) transmitting by transcutaneous bone conduction said musical signal to the user.

41. (Original) The method recited in claim 40, further comprising a step of tuning musical sound heard by a user.

42. (Original) The method of claim 41 wherein said step of tuning comprises changing point of contact of at least one transducer on a user's head.

43. (Original) The method of claim 42 wherein changing is accomplished by repositioning a support which supports said at least one transducer on said user's head.

44. (Original) The method of claim 42 wherein changing is accomplished by repositioning said at least one transducer on a support which supports said at least one transducer.

45. (Original) The method of claim 42 wherein changing is accomplished by sliding said at least one transducer to a different location on a support which supports said at least one transducer.

46. (Original) The method of claim 40 comprising adjusting volume of at least one a high, mid, or low frequency transmitted via transcutaneous bone conduction via said at least one transducer.

47. (Original) The method of claim 40 further comprising limiting a mid frequency range has a fixed maximum signal level of 90 dBa for 8 hours.